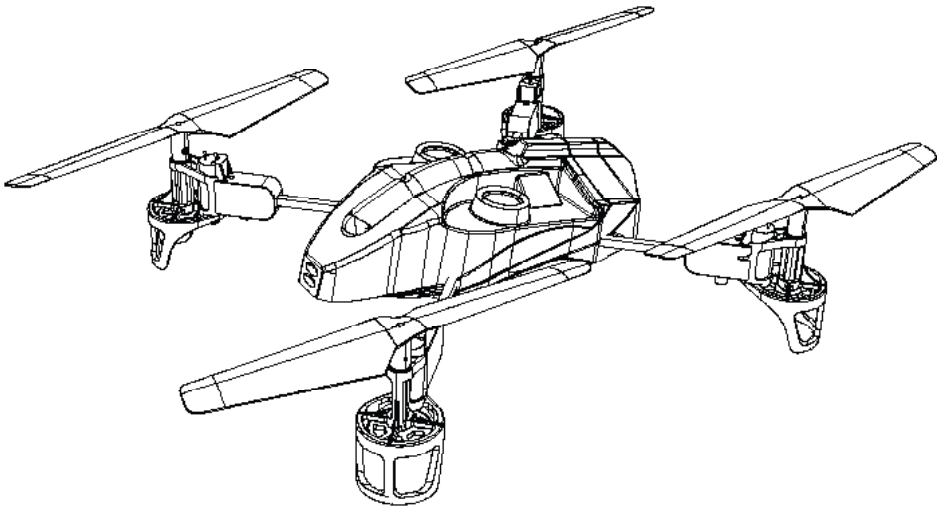
BLADE
#1 BY DESIGN

mQX



RTF
READY-TO-FLY

BNF™

NOTICE

All instructions, warranties and other collateral documents are subject to change at the sole discretion of Horizon Hobby, Inc. For up-to-date product literature, visit horizonhobby.com and click on the support tab for this product.

Meaning of Special Language

The following terms are used throughout the product literature to indicate various levels of potential harm when operating this product:

NOTICE: Procedures, which if not properly followed, create a possibility of physical property damage AND a little or no possibility of injury.

CAUTION: Procedures, which if not properly followed, create the probability of physical property damage AND a possibility of serious injury.

WARNING: Procedures, which if not properly followed, create the probability of property damage, collateral damage, and serious injury OR create a high probability of superficial injury.

⚠ **WARNING:** Read the ENTIRE instruction manual to become familiar with the features of the product before operating. Failure to operate the product correctly can result in damage to the product, personal property and cause serious injury.

This is a sophisticated hobby product. It must be operated with caution and common sense and requires some basic mechanical ability. Failure to operate this Product in a safe and responsible manner could result in injury or damage to the product or other property. This product is not intended for use by children without direct adult supervision. Do not attempt disassembly, use with incompatible components or augment product in any way without the approval of Horizon Hobby, Inc. This manual contains instructions for safety, operation and maintenance. It is essential to read and follow all the instructions and warnings in the manual, prior to assembly, setup or use, in order to operate correctly and avoid damage or serious injury.

Age Recommendation: Not for children under 14 years. This is not a toy.

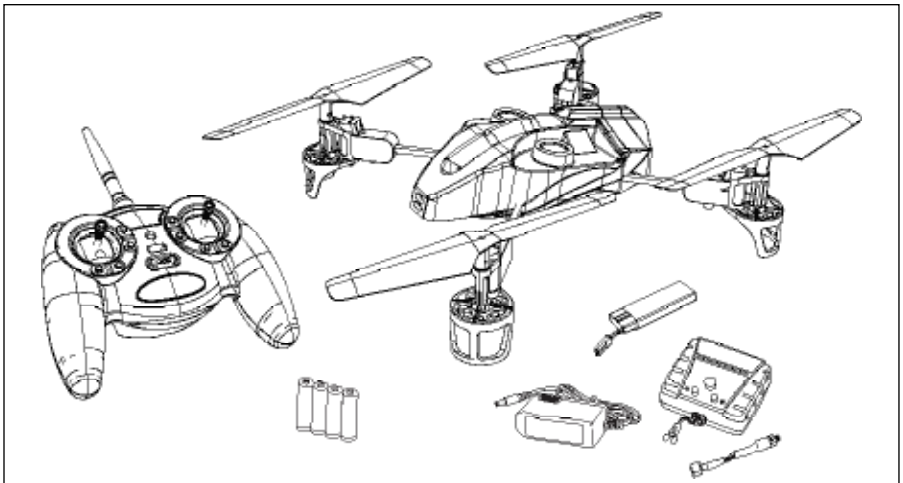
Safety Precautions and Guidelines

- Always keep a safe distance in all directions around your model to avoid collisions or injury. This model is controlled by a radio signal subject to interference from many sources outside your control. Interference can cause momentary loss of control.
- Always operate your model in open spaces away from full-size vehicles, traffic and people.
- Always carefully follow the directions and warnings for this and any optional support equipment (chargers, rechargeable battery packs, etc.).
- Always keep all chemicals, small parts and anything electrical out of the reach of children.
- Always avoid water exposure to all equipment not specifically designed and protected for this purpose. Moisture causes damage to electronics.
- Never place any portion of the model in your mouth as it could cause serious injury or even death.
- Never operate your model with low transmitter batteries.
- Always keep aircraft in sight and under control.
- Always move the throttle fully down at rotor strike.
- Always use fully charged batteries.
- Always keep transmitter powered on while aircraft is powered.
- Always remove batteries before disassembly.
- Always keep moving parts clean.
- Always keep parts dry.
- Always let parts cool after use before touching.
- Always remove batteries after use.
- Never operate aircraft with damaged wiring.
- Never touch moving parts.

Introduction

Thank you for purchasing the Blade® mQX Quad-Copter—a great new Horizon Hobby RC product designed by experts in RC to make your flying experience as unique as it is rewarding. The mQX comes out of the box completely assembled and flight tested. If you've already moved up through coaxial machines to single-rotor models like the mSR or 120 SR, you're going to find the mQX just as stable and predictable. Chances are you'll feel like a pro after just a few minutes on the sticks. The mQX also boasts the lightweight durability of carbon fiber propeller shafts and motor arms. And while it's certainly small enough to fly indoors, the mQX is also agile enough to fly in the backyard with a bit of a breeze. You can also adjust its control response rate and sensitivity for extra control authority when flying indoors or out. And, thanks to 2.4GHz DSM2™ radio technology, you can fly several mQX Quad-Copters with friends without worrying about radio interference.

Before you get started though, you must read this manual. As simple as the Blade mQX is to fly, it's still a sophisticated Radio Controlled flying machine that has some features and pre-flight checks you'll need to become familiar with before you fly. The manual also has some handy flying tips to make your experience easier and more enjoyable.



*Transmitter and AA Batteries not included with BNF Version

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RTF *BLH7500*

BNF *BLH7580*

Blade mQX Specifications	
Length	292mm (11.49 in) *"X" Flying Mode* 353mm (13.89 in) *"+" Flying Mode*
Height	59mm (2.32 in)
Propeller Diameter	136mm (5.35 in)
Flying Weight	78 g (2.75 oz)

To register your product online, visit www.bladehelis.com

First Flight Preparation

- Remove and inspect contents
- Begin charging the flight battery
- Install the flight battery in the Quad-Copter (once it has been fully charged)
- Program your computer transmitter (BNF Only)
- Bind your transmitter (BNF Only)
- Familiarize yourself with the controls
- Find a suitable area for flying

Flying Checklist

- ❑ **Always turn the transmitter on first**
- ❑ Plug the flight battery into the lead from the 4-in-1 control unit
- ❑ Allow the 4-in-1 control unit to initialize and arm properly
- ❑ Fly the model
- ❑ Land the model
- ❑ Unplug the flight battery from the 4-in-1 control unit
- ❑ **Always turn the transmitter off last**

Battery Warnings and Guidelines

The charger included with the mQX has been designed to safely charge the included Li-Po battery.

⚠ **CAUTION**: All instructions and warnings must be followed exactly. Mishandling of Li-Po batteries can result in a fire, personal injury, and/or property damage.

- By handling, charging or using the included Li-Po battery, you assume all risks associated with lithium batteries.
- If at any time the battery begins to balloon or swell, discontinue use immediately. If charging or discharging, discontinue and disconnect. Continuing to use, charge or discharge a battery that is ballooning or swelling can result in fire.
- Always store the battery at room temperature in a dry area for best results.
- Always transport or temporarily store the battery in a temperature range of 40–120º F. Do not store the battery or model in a car or direct sunlight. If stored in a hot car, the battery can be damaged or even catch fire.
- NEVER USE AN Ni-Cd OR Ni-MH CHARGER. Failure to charge the battery with a compatible charger may cause a fire resulting in personal injury and/or property damage.
- Never exceed the recommended charge rate.
- Never discharge Li-Po cells to below 3V under load.
- Never cover warning labels with hook and loop strips.
- Only charge or recharge batteries that are cool to the touch.

Low Voltage Cutoff (LVC)

When a Li-Po battery is discharged below 3V, the battery may become damaged and may no longer accept a charge. The mQX 4-in-1 control unit protects the flight battery from over-discharge using Low Voltage Cutoff (LVC). Before the battery charge decreases too much, LVC becomes active. Power to the motors decrease and the LED on the 4-in-1 control unit blinks, showing some battery power is reserved for flight control and safe landing.

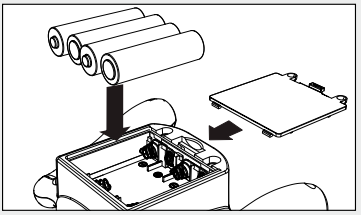
When the motor power decreases, please land the aircraft immediately and recharge the flight battery.

Disconnect and remove the Li-Po battery from the aircraft after use to prevent trickle discharge. During storage, make sure the battery charge does not fall below 3V.

NOTICE: Repeated flying to LVC will damage the battery.

RTF

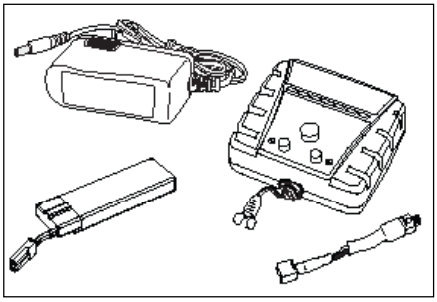
Installing the Transmitter Batteries



Install AA batteries into transmitter, noting polarity. Replace the transmitter batteries when the power LED flashes and the transmitter beeps.

Battery Charging

Celectra™ 1-Cell 3.7V Variable Rate DC Li-Po Charger
1S 3.7V 500mAh 12C Li-Po Battery Pack (E-flite EFLB5001S)



The Blade mQX 1S Li-Po battery features a JST connector that allows you to safely charge your battery pack when used with the included Li-Po charger and charge adapter. The included flight battery is safe to charge up to 2C (1.0 Amp).

Use only Horizon Hobby approved battery packs and chargers compatible with this product.

1. Connect the power supply to an appropriate power source.
2. Insert the output plug from the power supply into the power input slot of the Variable Rate Charger.
3. Select the appropriate charge current for your battery by pushing the + or -, which are the smaller buttons to the right and left of the middle button. (When charging your 500mAh battery, set the charger to 0.7 amps.)
4. Connect the charge adapter to the Charger lead. Match the red dots on both the charge adapter and the Charger lead.
5. Properly connect the battery to the Charger lead. Match the red dots on both the battery and charger connectors.
6. Press and release the start button on the variable rate charger (the largest button in the middle).

A fully charged flight battery can yield flight times of up to ten minutes.

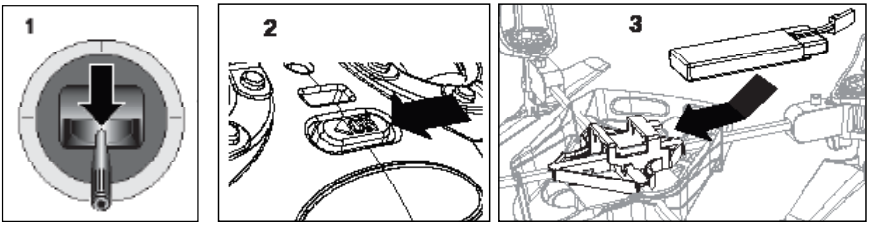
AC Power Supply Cautions and Guidelines

NEVER attempt to power the charger from an AC outlet without the use of a proper AC to DC adapter/power supply.

DO NOT connect charged or discharged Li-Po batteries if the power supply is connected to the charger while the power supply is not connected to a power source. Doing so will discharge and possibly damage the batteries.

For AC operation, only use an E-flite® 6V power supply with this charger. DO NOT use a 12V power supply or property damage and injury could occur.

Installing the Flight Battery



1. Lower the throttle and throttle trim to the lowest settings.
2. Power on the transmitter.
3. Flip the Quad-Copter upside-down and install the battery by sliding it into the battery mounting slot below the PC Board. Slide the battery into the slots with the label facing upward so that the battery key, molded into the battery end-cap, comes in contact with the key on the battery slot. (This key indicates the FRONT of the Quad-Copter in "+" flight mode).
4. Connect the battery cable to the 4-in-1 control unit.

NOTICE: Do not allow the Quad-Copter to move until the LED on the 4-in-1 control unit is solid blue (not blinking).

CAUTION: Always disconnect the Li-Po battery from the aircraft when not flying to avoid over-discharging the battery. Batteries discharged to a voltage lower than the lowest approved voltage may become damaged, resulting in loss of performance and potential fire when batteries are charged.

Transmitter and Receiver Binding

Binding is the process of programming the receiver of the control unit to recognize the GUID (Globally Unique Identifier) code of a specific transmitter. You need to 'bind' your chosen Spektrum™ or JR® DSM® technology equipped aircraft transmitter to the receiver for proper operation. If you purchased an RTF model, the transmitter is bound to the model at the factory.

To bind or re-bind your mQX to your chosen transmitter, please follow the directions below.

General Binding Procedure
1. Disconnect the flight battery from the Quad-Copter.
2. Select a clean model memory on your transmitter (computer radios only).
3. Select Acro or Airplane model type on your transmitter
4. Make sure all servo reversing is set to Normal on your transmitter
5. Center all trims and make sure sub-trims are disabled (zeroed) on your transmitter
6. Power off the transmitter and move all switches to the 0 position. Move the throttle to the low/off position.
7. Connect the flight battery in the Quad-Copter. The blue LED on the 4-in-1 control unit flashes after 5 seconds.
8. Put the transmitter into bind mode while powering on the transmitter.
9. Release the bind button/switch after 2–3 seconds. The Quad-Copter is bound when the blue LED on the 4-in-1 control unit is "on" solid.
10. Disconnect the flight battery and power the transmitter off.

NOTICE: Futaba transmitters (equipped with Spektrum modules) may require you to reverse the throttle channel.

MLP4DSM Binding Procedure
1. Disconnect the flight battery from the Quad-Copter.
2. Center all trims on your transmitter. Refer to the transmitter control section for trim instructions.
3. Power off the transmitter and move the throttle stick to the down/off position.
4. Connect the flight battery in the Quad-Copter. The LED on the 4-in-1 Control unit flashes after 5 seconds.
5. Push in and hold down the left stick while powering on the transmitter (you will hear a 'click').
6. Release the left stick. The transmitter will beep and the power LED will blink.
7. The Quad-Copter is bound when the LED on the 4-in-1 control unit is solid blue (not blinking).
8. Disconnect the flight battery and power the transmitter off.

If you encounter problems, obey binding instructions and refer to the troubleshooting guide for other instructions. If needed, contact the appropriate Horizon Product Support office. For a list of compatible DSM transmitters, please visit www.bindnfly.com.

Binding for "X" and "+" Flight Configurations

Your mQX comes out of the box in "X" configuration. It is also capable of being flown in "+" configuration, if that is your preference. To fly the mQX in "+" configuration:

1. Remove the Quad-Copter canopy
2. Turn the canopy counterclockwise 45 degrees (refer to the arrows on the circuit board)
3. Reinstall the canopy on the mounting frame.

The LED status will indicate which mode your Quad-Copter is in. When the LED on the 4-in-1 Control unit is solid, it is in "X" configuration. If it is blinking rapidly "(three quick blinks, a short pause and then three more quick blinks, etc.)", it is in "+" configuration.

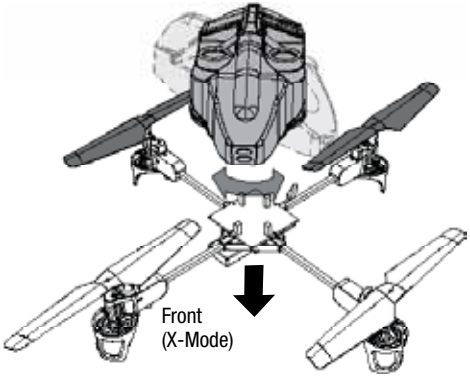
Switching from "X" to "+" requires an extra step during the binding procedure. Failure to follow the additional steps below will simply leave the mQX in "X" configuration.

"X" Flight Configuration: Bind your mQX according to the instructions given in the binding section. Immediately after entering Bind Mode, move the rudder stick fully to the left and hold it there until the Binding process is complete. This will set the 4-in-1 control unit's flight mode to "X" configuration. You may find "X" configuration to be slightly more responsive in flight due to the orientation of the rotors.

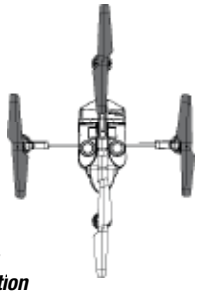
"+" Flight Configuration: Bind your mQX according to the instructions given above. Immediately after entering Bind Mode, move the rudder stick fully to the right and hold it there until the Binding process is complete. This will set the 4-in-1 control unit's flight mode to "+" configuration.

Attention: If binding is not performed correctly, the mQX will fly in the last mode it was in before the attempted bind.

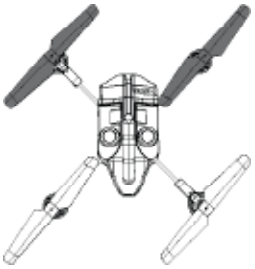
Important: Some transmitters will not go into bind mode when rudder is held during power-up. In this situation, make sure you release the bind button before holding the rudder stick.



TIP: To determine the front of your Quad-Copter during flight, change the propellers as needed, according to illustrations below. Use the white-colored propeller to indicate the front of the "+" and "X" configurations. Install the black-colored propellers at the other propeller locations.

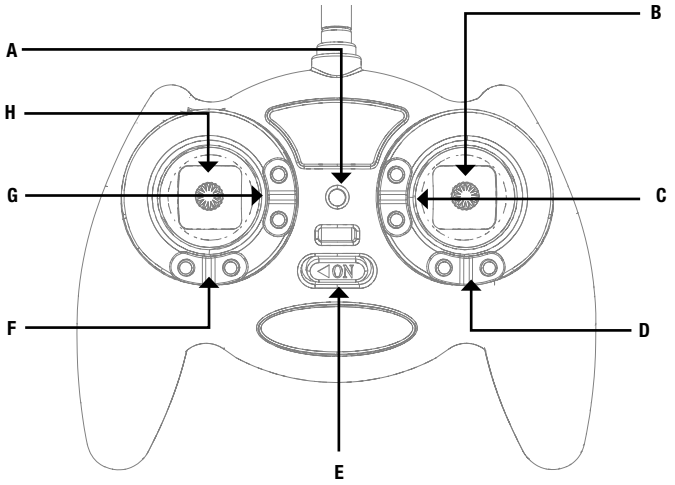


"+" Flight Configuration



"X" Flight Configuration

Transmitter Control

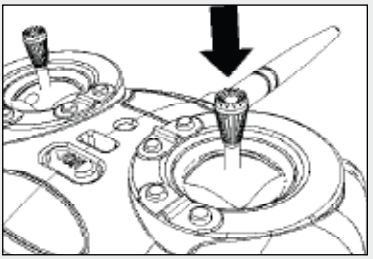


When pressed down, trim buttons make a sound that increases or decreases in pitch at each pressing. The middle or neutral trim position is heard as a middle tone in the pitch range of the sounds. The end of the control range is sounded by a series of beeps.

	A	B	C	D	E	F	G	H
Mode 1	Power LED	**Aileron** *(Left/Right)* **Throttle** *(Up/Down)*	**Throttle Trim**	**Aileron Trim**	**ON/OFF Switch**	**Rudder Trim**	**Elevator Trim**	**Rudder** *(Left/Right)* **Elevator** *(Up/Down)*
Mode 2	Power LED	**Aileron** *(Left/Right)* **Elevator** *(Up/Down)*	**Elevator Trim**	**Aileron Trim**	**ON/OFF Switch**	**Rudder Trim**	**Throttle Trim**	**Rudder** *(Left/Right)* **Throttle** *(Up/Down)*

RTF

Transmitter Dual Rates



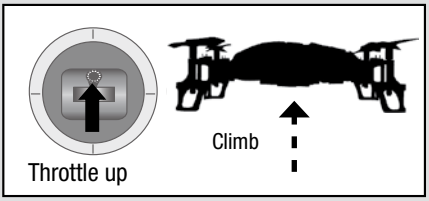
Your mQX RTF model comes with the Blade MLP4DSM transmitter. This transmitter's dual rate feature lets the pilot change between high and low control rates for the aileron, elevator and rudder channels.

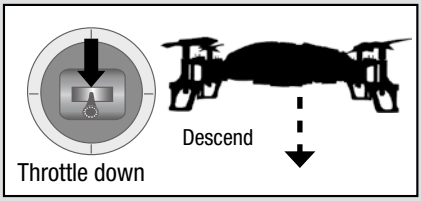
- When powered on, this transmitter is automatically in high-rate mode.
- Change rate modes by pressing and releasing the right control stick while the transmitter is powered on.
- Low-rate mode is shown by the transmitter's LED blinking continuously. In this mode, the controls cannot reach their maximum values. This mode is typically preferred by pilots looking for smoother/easier control response during first time use.
- High-rate mode is shown by the transmitter's LED glowing solid red. In this mode, the controls can reach their maximum values. This mode is typically preferred by experienced pilots who are ready for fast forward flight and aerobatic maneuvers (loops, rolls, etc.).

Understanding the Primary Flight Controls

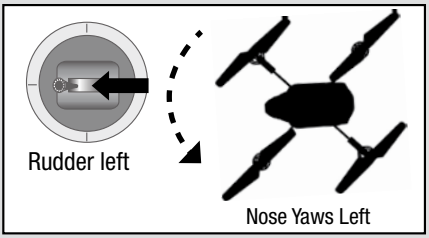
If you are not familiar with the controls of your mQX, take a few minutes to familiarize yourself with them before attempting your first flight.

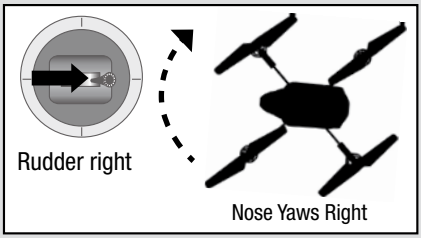
Throttle



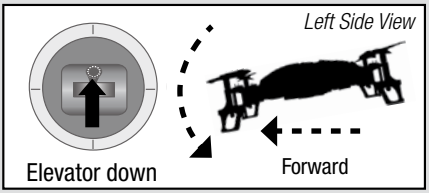


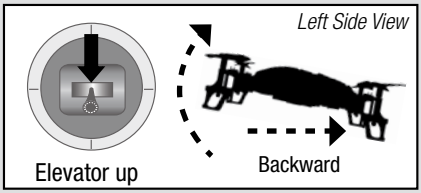
Rudder



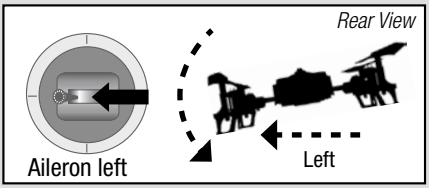


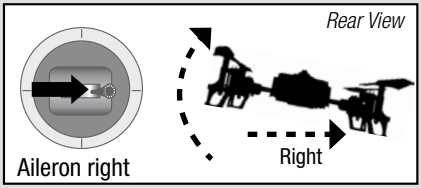
Elevator

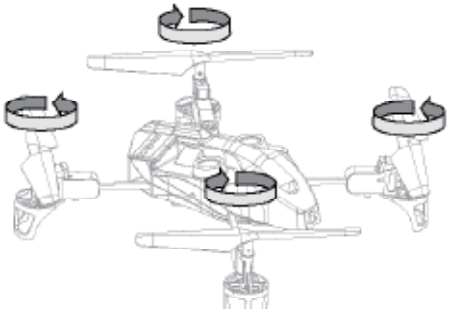




Aileron







4-in-1 Control Unit Function

The unique Control Unit installed in your mQX is a lightweight combination of main motor electronic speed controls (ESCs), mixers, gyros and a DSM2 receiver. The 4-in-1 unit is also equipped with a blue status indicator LED.

- Before each flight, ALWAYS power on the transmitter before connecting the flight battery to the 4-in-1 unit. After each flight, disconnect the flight battery from the 4-in-1 unit before powering off the transmitter.

Connecting the flight battery before powering on the transmitter can start the binding process. Please see the Transmitter and Receiver Binding section of this manual for more information.

- The 4-in-1 unit will arm the motors when the throttle stick is in the lowest possible position and the throttle trim is at the middle or a lower than middle position (the middle position is indicated by a longer than usual beep/tone). If this is the first test flight, or a test flight following repairs, also center the rudder, aileron and elevator trims.
- With the transmitter turned on and the transmitter LED glowing solid RED, it is safe to connect the flight battery to the 4-in-1 unit.
- Connect the flight battery to the 4-in-1 unit.
- After the flight battery is connected, the 4-in-1 unit status LED should glow solid BLUE within a few seconds. DO NOT move, sway or pretend to fly the Quad-Copter after connecting the flight battery. This movement can stop unit initialization and gyroscope calibration. If the Quad-Copter is moved before the 4-in-1 unit status LED glows solid BLUE, disconnect then connect the flight battery to the 4-in-1 unit.
- When the 4-in-1 unit status LED glows solid BLUE, the control unit is initialized and ready for flight.
- As long as you set the throttle stick and trim to the correct positions during the initialization process, the ESC or motors will be armed. Use caution because after arming, propellers will turn at throttle stick input.

Flying the mQX

- After confirming the rotor blades rotate in the correct direction, test the motor response controls.
- Adjust the throttle to a low level of power where the quad-copter begins to get “light” on its landing skids.
- Now move the rudder stick a small amount to the right. The nose of the quad-copter should start to rotate to the right (clockwise).
- Move the rudder stick a small amount to the left. The nose of the quad-copter should start to rotate to the left (counter-clockwise). If the nose moves to the right, please refer to the Troubleshooting Guide.
- Move the elevator control stick forward. The two REAR landing skids should lift from the floor
- Move the elevator control stick backward. The two FRONT landing skids should lift from the floor.
- Move the aileron stick right. The two LEFT landing skids should lift from the floor.
- Move the aileron stick left. The two RIGHT landing skids should lift from the floor.
- When rotors turn correctly and respond correctly to controls, your mQX is ready for its first flight!

First Flight

- Increase the throttle until the model is approximately 2 ft. (600mm) off the ground in a low-level hover and concentrate on balancing the throttle stick’s position so that the mQX holds a steady hover altitude. In some cases, you may need to make a few short “hops” to an altitude of just a few inches until you become familiar with the control inputs and trim settings required to maintain a steady hover and altitude.

The mQX requires minor throttle adjustments to maintain its altitude in hover. Remember to keep these throttle adjustments as minimal as possible as large adjustments could result in a loss of control and/or a possible crash.

- While attempting to establish a low-level hover, you can also check to see if any trim adjustments are required to help keep the mQX from constantly drifting in various directions. If you find that it constantly drifts without any directional control input, land the model before making any adjustments to the trim settings. Additional details regarding the location and function of the trim buttons are in the “Understanding the Primary Flight Controls” section of this manual.
    - If the nose of the mQX rotates to the left or right, adjust the rudder trim.
    - If the mQX continually drifts forward or backward, adjust the elevator trim.
    - If the mQX continually drifts to the left or right, adjust the aileron trim.

Continue making minor trim adjustments until the machine hovers at a low altitude with very little drifting and directional control input. If the mQX is your first Quad-Copter-type model, seek the help of an experienced pilot to trim the model for you before making your first flight.

- With your mQX properly trimmed and maintaining a stable low-level hover, practice using the rudder, elevator and aileron controls to familiarize yourself with the machine's responses to control inputs. Remember to keep the control inputs as minimal as possible.
- When comfortable with low-level hovering, you can transition to hovering and flying the mQX at higher altitudes of three to four feet. At these higher altitudes, you will become comfortable with the flight characteristics of the aircraft.
- Don't be afraid to set the mQX down on the ground quickly by lowering the throttle when approaching walls or other obstacles to help prevent propeller strikes.

⚠ **CAUTION:** Always fly the mQX with your back to the sun to prevent loss of flight control.

Once you have gained experience and confidence in hovering the mQX, you can attempt more advanced maneuvers including:

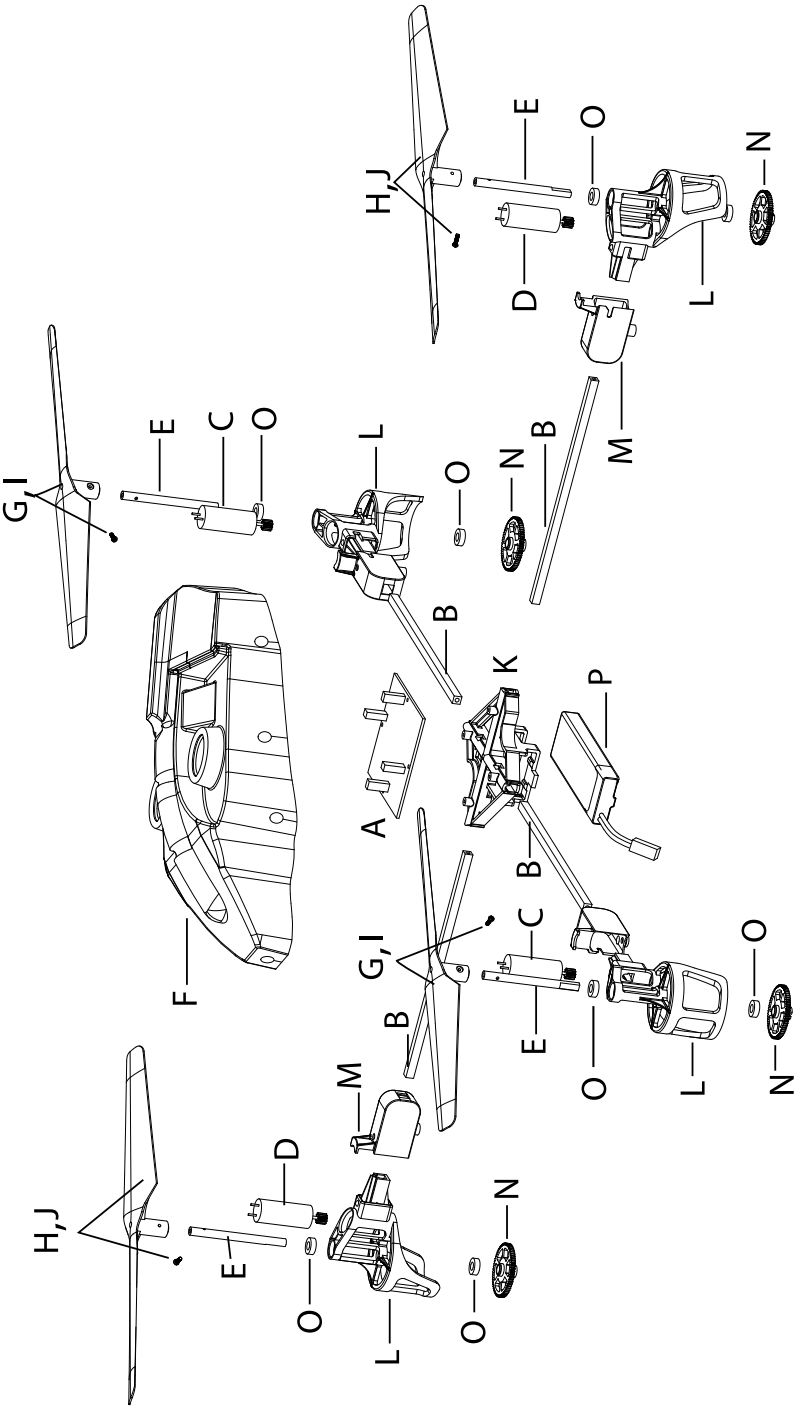
Forward Flight	Pirouettes	Circuits (Circles)
Backward Flight	Spot Landings	Figure 8s
Skidding Takeoffs	Skidding Landings	Flips and Rolls

TIP: These are all possible with the RTF transmitter. When using a computer transmitter, however, increase the travel beyond 100% on aileron, elevator or rudder for maximum control authority.

Post-Flight Inspections and Maintenance

Cleaning	Make sure the battery is not connected before cleaning. Remove dust and debris with a soft brush or a dry, lint-free cloth.
Bearings	Replace bearings when they become notchy (sticky in places when turning) or draggy.
Wiring	Make sure the wiring does not block moving parts. Replace damaged wiring and loose connectors.
Fasteners	Make sure there are no loose screws, other fasteners or connectors. Do not over-tighten metal screws in plastic parts. Tighten screws so the parts are mated together, then turn screw only 1/8th of a turn more.
Propellers	Make sure there is no damage to the propeller or other parts that move at high speed. Damage to these parts includes cracks, burrs, chips or scratches. Replace damaged parts before flying.

Exploded View



Parts Listings

	Part #	Description
A	BLH7501	4-in-1 Control Unit, Rx/ESCs/Mixer/ Gyros: mQX
B	BLH7502	Thruster Boom with Wiring (2): mQX
C	BLH7503	Motor with Pinion, Clockwise Rotation: mQX
D	BLH7504	Motor with Pinion, Counterclock-wise Rotation: mQX
E	BLH7513	Propeller Shaft, Carbon: mQX
F	BLH7514	Canopy: mQX
G	BLH7520	Propeller, Clockwise Rotation, Black (2): mQX
H	BLH7521	Propeller, Counterclockwise Rota-tion, Black (2): mQX
I	BLH7522	Propeller, Clockwise Rotation, White (2): mQX
J	BLH7523	Propeller, Counterclockwise Rotation, White (2): mQX
K	BLH7539	4-in-1 Control Unit Mounting Frame: mQX
L	BLH7561	Motor Mount with Landing Skid: mQX

	Part #	Description
M	BLH7562	Motor Mount Cover (2): mQX
N	BLH3506	Main Gear: BMSR/X, mCP X, mQX
O	BLH3515, EFLH2215	Outer Shaft Bearing 3 x 6 x 2mm(2): BMCX/2/MSR/X, FHX, MH-35, MCP X, mQX
P	EFLB 5001S30	500mAh 1-Cell 3.7V 30C Li-Po
	BLH3126	JST-RCY to Ultra Micro Battery Adapter lead
	EFLC1005/ UK/EU/AU	AC to 6VDC 1.5-Amp Power Supply *(Based upon your sales region)*
	EFLH1064/B	MLP4DSM 4CH Transmitter, 2.4GHz Mode 2
	EFLH10641	MLP4DSM 4CH Transmitter, 2.4GHz Mode 1
	EFLC1006	Celectra 1S 3.7v Variable Rate DC Li-Po Charger

Optional Parts

Part #	Description
BLH7520OR	Propeller, Clockwise Rotation, Orange (2): mQX
BLH7521OR	Propeller, Counterclockwise Rotation, Orange (2): mQX
EFLC3025/ AU/EU/UK	Celectra 80W AC/DC Multi-Chemistry Battery Charger *(Based upon your sales region)*

Part #	Description
EFLA243	JST Female Connector with Lead, 20 Gauge (2) by E-flite
	DX5e DSMX 5-Channel Transmitter Only
	DX6i DSMX 6-Channel Transmitter Only

Troubleshooting Guide

Problem	Possible Cause	Solution
mQX control response is inconsistent or requires extra trim to neutralize movement	Control trim is not centered	Disconnect the flight battery, center the control trim and re-initialize the Quad-Copter
mQX will not respond to throttle	Throttle too high and/or throttle trim is too high	Reset controls with the throttle stick and throttle trim at the lowest setting
	mQX moved during initialization	Disconnect the flight battery and re-initialize the mQX while keeping the Quad-Copter from moving.
	Throttle channel is reversed	Disconnect flight battery, reverse the throttle channel on the transmitter, recconnect flight battery.
mQX does not function and smells burnt after connecting the flight battery	Flight battery connected with the wrong polarity	Replace the 4-in-1 board. Connect the flight battery noting proper polarity
mQX has reduced flight time or is underpowered	Flight battery charge is low	Completely recharge the flight battery
	Inadequate power to flight battery charger	Make sure the AC power supply, charger and adapter cord are connected
	Flight battery is damaged	Replace the flight battery and follow the flight battery instructions
	Flight conditions might be too cold	Make sure the battery is warm (room temperature) before use
LED on receiver flashes rapidly and aircraft will not respond to transmitter (during binding)	Transmitter too near aircraft during binding process	Power off the transmitter. Move the transmitter a larger distance from the aircraft. Disconnect and reconnect the flight battery to the aircraft. Follow the binding instructions.
LED on the receiver flashes rapidly and the mQX will not respond to the transmitter (after binding)	Less than a 5-second wait between first powering on the transmitter and connecting the flight battery to the mQX	Leave the transmitter powered on. Disconnect and reconnect the flight battery to the mQX
	The mQX is bound to a different model memory (ModelMatch™ transmitters only)	Select the correct model memory on the transmitter. Disconnect and reconnect the flight battery to the mQX
	Flight battery or transmitter battery charge is too low	Replace or recharge batteries
Crashes immediately upon lift-off	Propellers in wrong locations or incorrect flight mode selected	Make necessary adjustments

Limited Warranty

What this Warranty Covers
Horizon Hobby, Inc. ("Horizon") warrants to the original purchaser that the product purchased (the "Product") will be free from defects in materials and workmanship at the date of purchase.

What is Not Covered
This warranty is not transferable and does not cover (i) cosmetic damage, (ii) damage due to acts of God, accident, misuse, abuse, negligence, commercial use, or due to improper use, installation, operation or maintenance, (iii) modification of or to any part of the Product, (iv) attempted service by anyone other than a Horizon Hobby authorized service center, or (v) Products not purchased from an authorized Horizon dealer.

OTHER THAN THE EXPRESS WARRANTY ABOVE, HORIZON MAKES NO OTHER WARRANTY OR REPRESENTATION, AND HEREBY DISCLAIMS ANY AND ALL IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF NON-INFRINGEMENT, MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE PURCHASER ACKNOWLEDGES THAT THEY ALONE HAVE DETERMINED THAT THE PRODUCT WILL SUITABLY MEET THE REQUIREMENTS OF THE PURCHASER'S INTENDED USE.

Purchaser's Remedy
Horizon's sole obligation and purchaser's sole and exclusive remedy shall be that Horizon will, at its option, either (i) service, or (ii) replace, any Product determined by Horizon to be defective. Horizon reserves the right to inspect any and all Product(s) involved in a warranty claim. Service or replacement decisions are at the sole discretion of Horizon. Proof of purchase is required for all warranty claims. SERVICE OR REPLACEMENT AS PROVIDED UNDER THIS WARRANTY IS THE PURCHASER'S SOLE AND EXCLUSIVE REMEDY.

Limitation of Liability
HORIZON SHALL NOT BE LIABLE FOR SPECIAL, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES, LOSS OF PROFITS OR PRODUCTION OR COMMERCIAL LOSS IN ANY WAY, REGARDLESS OF WHETHER SUCH CLAIM IS BASED IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY OR ANY OTHER THEORY OF LIABILITY, EVEN IF HORIZON HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. Further, in no event shall the liability of Horizon exceed the individual price of the Product on which liability is asserted. As Horizon has no control over use, setup, final assembly, modification or misuse, no liability shall be assumed nor accepted for any resulting damage or injury. By the act of use, setup or assembly, the user accepts all resulting liability. If you as the purchaser or user are not prepared to accept the liability associated with the use of the Product, purchaser is advised to return the Product immediately in new and unused condition to the place of purchase.

Law
These terms are governed by Illinois law (without regard to conflict of law principals). This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. Horizon reserves the right to change or modify this warranty at any time without notice.

WARRANTY SERVICES

Questions, Assistance, and Services
Your local hobby store and/or place of purchase cannot provide warranty support or service. Once assembly, setup or use of the Product has been started, you must contact your local distributor or Horizon directly. This will enable Horizon to better answer your questions and service you in the event that you may need any assistance. For questions or assistance, please direct your email to productsupport@horizonhobby.com, or call 877.504.0233 toll free to speak to a Product Support representative. You may also find information on our website at www.horizonhobby.com.

Inspection or Services
If this Product needs to be inspected or serviced, please use the Horizon Online Service Request submission process found on our website or call Horizon to obtain a Return Merchandise Authorization (RMA) number. Pack the Product securely using a shipping carton. Please note that original boxes may be included, but are not designed to withstand the rigors of shipping without additional protection. Ship via a carrier that provides tracking and insurance for lost or damaged parcels, as Horizon is not responsible for merchandise until it arrives and is accepted at our facility. An Online Service Request is available at http://www.horizonhobby.com under the Support tab. If you do not have internet access, please contact Horizon Product Support to obtain a RMA number along with instructions for submitting your product for service. When calling Horizon, you will be asked to provide your complete name, street address, email address and phone number where you can be reached during business hours. When sending product into Horizon, please include your RMA number, a list of the included items, and a brief summary of the problem. A copy of your original sales receipt must be included for warranty consideration. Be sure your name, address, and RMA number are clearly written on the outside of the shipping carton.
NOTICE: Do not ship LiPo batteries to Horizon. If you have any issue with a LiPo battery, please contact the appropriate Horizon Product Support office.

Warranty Requirements
For Warranty consideration, you must include your original sales receipt verifying the proof-of-purchase date. Provided warranty conditions have been met, your Product will be serviced or replaced free of charge. Service or replacement decisions are at the sole discretion of Horizon.

Non-Warranty Service
Should your service not be covered by warranty service will be completed and payment will be required without notification or estimate of the expense unless the expense exceeds 50% of the retail purchase cost. By submitting the item for service you are agreeing to payment of the service without notification. Service estimates are available upon request. You must include this request with your item submitted for service. Non-warranty service estimates will be billed a minimum of ½ hour of labor. In addition you will be billed for return freight. Horizon accepts money orders and cashiers checks, as well as Visa, MasterCard, American Express, and Discover cards. By submitting any item to Horizon for service, you are agreeing to Horizon's Terms and Conditions found on our website http://www.horizonhobby.com/Service/Request/.

Warranty and Service Contact Information

Country of Purchase	Horizon Hobby	Address	Phone Number/Email Address
United States of America	Horizon Service Center (Electronics and engines)	4105 Fieldstone Rd Champaign, Illinois 61822 USA	877-504-0233 Online Repair Request: visit www.horizonhobby.com/service
	Horizon Product Support (All other products)	4105 Fieldstone Rd Champaign, Illinois 61822 USA	877-504-0233 productsupport@horizonhobby.com
United Kingdom	Horizon Hobby Limited	Units 1-4 Ployters Rd Staple Tye Harlow, Essex CM18 7NS United Kingdom	+44 (0) 1279 641 097 sales@horizonhobby.co.uk
Germany	Horizon Technischer Service	Christian-Junge-Straße 1 25337 Elmshorn Germany	+49 (0) 4121 2655 100 service@horizonhobby.de
France	Horizon Hobby SAS	14 Rue Gustave Eiffel Zone d'Activité du Réveil Matin 91230 Montgeron	+33 (0) 1 60 47 44 70 infofrance@horizonhobby.com
China	Horizon Hobby – China	Room 506, No. 97 Changshou Rd. Shanghai, China 200060	+86 (021) 5180 9868 info@horizonhobby.com.cn

Customer Service Information

Country of Purchase	Horizon Hobby	Address	Phone Number/Email Address
United States of America	Sales	4105 Fieldstone Rd Champaign, Illinois 61822 USA	(800) 338-4639 sales@horizonhobby.com
United Kingdom	Horizon Hobby Limited	Units 1-4 Ployters Rd Staple Tye Harlow, Essex CM18 7NS United Kingdom	+44 (0) 1279 641 097 sales@horizonhobby.co.uk
Germany	Horizon Hobby GmbH	Christian-Junge-Straße 1 25337 Elmshorn Germany	+49 4121 46199 60 service@horizonhobby.de
France	Horizon Hobby SAS	14 Rue Gustave Eiffel Zone d'Activité du Réveil Matin 91230 Montgeron	+33 (0) 1 60 47 44 70 infofrance@horizonhobby.com
China	Horizon Hobby – China	Room 506, No. 97 Changshou Rd. Shanghai, China 200060	+86 (021) 5180 9868 info@horizonhobby.com.cn

FCC Information

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

CAUTION: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This product contains a radio transmitter with wireless technology which has been tested and found to be compliant with the applicable regulations governing a radio transmitter in the 2.400GHz to 2.4835GHz frequency range.

Compliance Information for the European Union

Declaration of Conformity

(in accordance with ISO/IEC 17050-1)

No. HH2011110301

Product(s): Blade mQX BNF

Item Number(s): BLH7580

Equipment class: 1

The object of declaration described above is in conformity with the requirements of the specifications listed below, following the provisions of the European R&TTE Directive 1999/5/EC and EMC Directive 2004/108/EC:

EN 301 489-1 V1.7.1: 2006
EN 301 489-17 V1.3.2: 2008

EN55022: 2006,
EN55024: 1998+A1: 2001+A2: 2003
EN61000-3-2:2006+A1:2009+A2:2009
EN61000-3-3:2008

Signed for and on behalf of:
Horizon Hobby, Inc.
Champaign, IL USA
November 3, 2011

Steven A. Hall
Vice President
International Operations and Risk Management
Horizon Hobby, Inc.

Declaration of Conformity

(in accordance with ISO/IEC 17050-1)

Product(s): Blade mQX RTF

Item Number(s): BLH7500

Equipment class: 1

The object of declaration described above is in conformity with the requirements of the specifications listed below, following the provisions of the European R&TTE Directive 1999/5/EC and EMC Directive 2004/108/EC:

EN 300-328 V1.7.1
EN 301 489-1 V1.7.1: 2006
EN 301 489-17 V1.3.2: 2008
EN 60950-1:2006+A11

EN55022: 2006+A1:2007
EN55024: 1998+A1: 2001+A2: 2003
EN61000-3-2:2006+A1:2009+A2:2009
EN61000-3-3:2008

Signed for and on behalf of:
Horizon Hobby, Inc.
Champaign, IL USA
October 29, 2011

Steven A. Hall
Vice President
International Operations and Risk Management
Horizon Hobby, Inc.

Instructions for disposal of WEEE by users in the European Union

This product must not be disposed of with other waste. Instead, it is the user's responsibility to dispose of their waste equipment by handing it over to a designated collections point for the recycling of waste electrical and electronic equipment. The separate collection and recycling of your waste equipment at the time of disposal will help to conserve natural resources and make sure that it is recycled in a manner that protects human health and the environment. For more information about where you can drop off your waste equipment for recycling, please contact your local city office, your household waste disposal service or where you purchased the product.